

## **PUBLIC NOTICE**

**PERMIT APPLICATION:** NRS #06.012

**APPLICANT:** State of Tennessee  
Department of Transportation  
Environmental Planning and Permits Division  
Suite 900, James K. Polk Building  
505 Deaderick Street  
Nashville, Tennessee 37243  
(615) 253-2477

**LOCATION:** State Route (SR 312) over Harris Creek in Bradley County  
35.1767°N, 84.9903°W

**WATERSHED DESCRIPTION:** The proposed activity is located in the Hiwassee watershed (HUC 06020002). The proposed activity would impact Harris Creek and an unnamed tributary to Harris Creek. Harris Creek at this location has a channel width of approximately 25 ft. a channel depth of 5 ft., flow width of 25 ft. and flow depth of 1 to 2 ft. Harris Creek has gravel, sand, cobble, and boulder substrate. The unnamed tributary to Harris Creek has a channel width of app. 1 to 2 ft., channel depth of 2 ft., water width of 1 ft. and water depth of 1 to 7 in. The unnamed tributary to Harris Creek runs parallel to the road on the east side. Harris Creek and the unnamed tributary have not been assessed.

**PROJECT DESCRIPTION:** The applicant proposes to replace the existing 3-barrell box culvert with 36 ft of a 2-barrell concrete box bridge over Harris Creek. Each barrel would be 18 ft. x 6 ft. The inlet of the box bridge would have 17± ft. of riprap pad and the outlet would have 38± ft. of riprap pad. Associated with the bridge replacement is the relocation of an unnamed tributary to Harris Creek. A 290 ft. section of the tributary would be relocated to the east of the existing stream. The 290 ft. includes 15 ft. of culvert that will be replaced with 22 ft. of 18 in. side drain. The constructed channel would be approximately 1 ft. wide at the bottom, 3:1 slope on the right descending side, and 4:1 slope on the left descending side. Approximately 20 ft. of riprap would be applied at the confluence of the tributary and Harris Creek.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality.

**PERMIT COORDINATOR:** Trent Thomas

**USGS TOPOGRAPHIC QUADRANGLE:** South Cleveland, TN (86-SW)

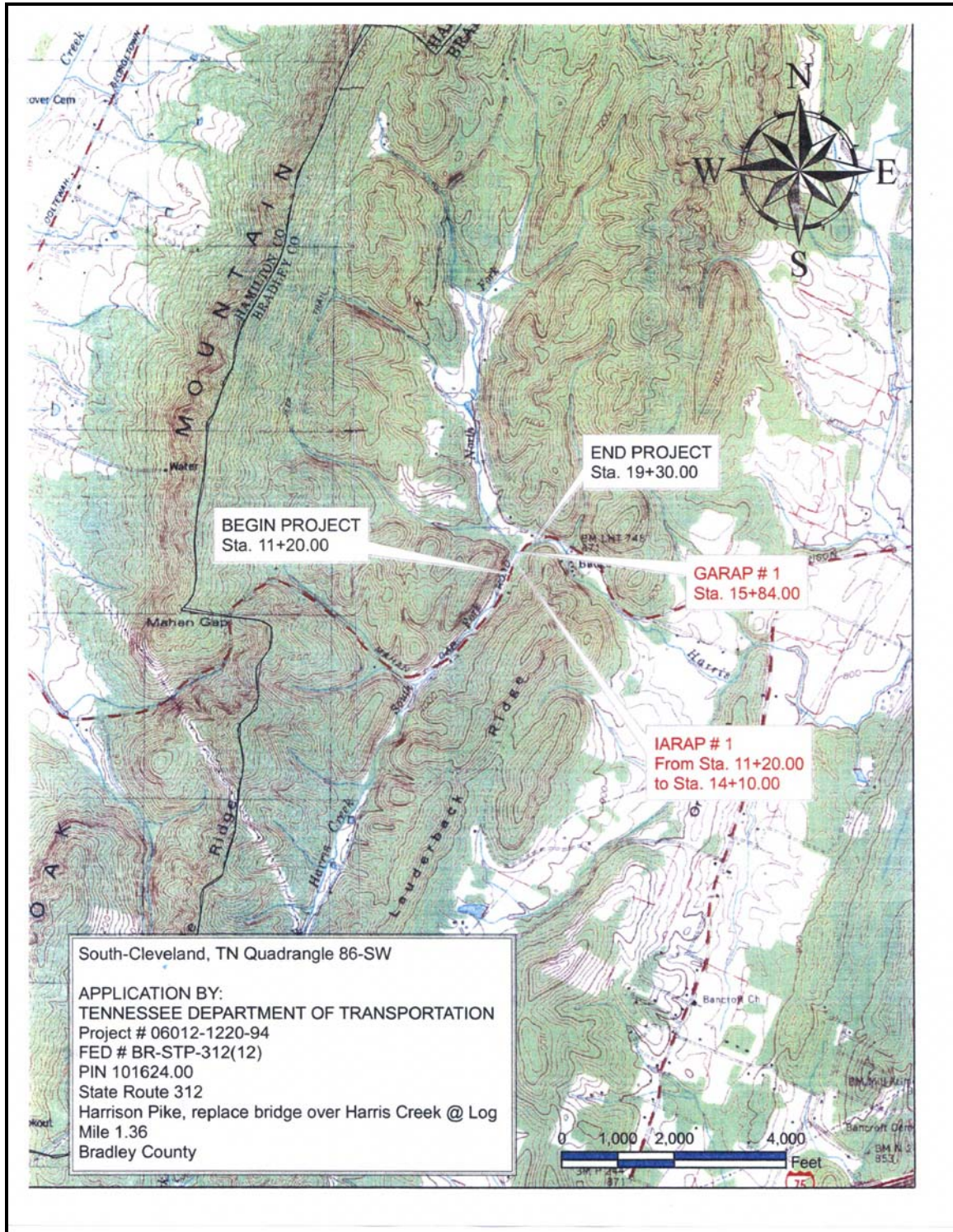
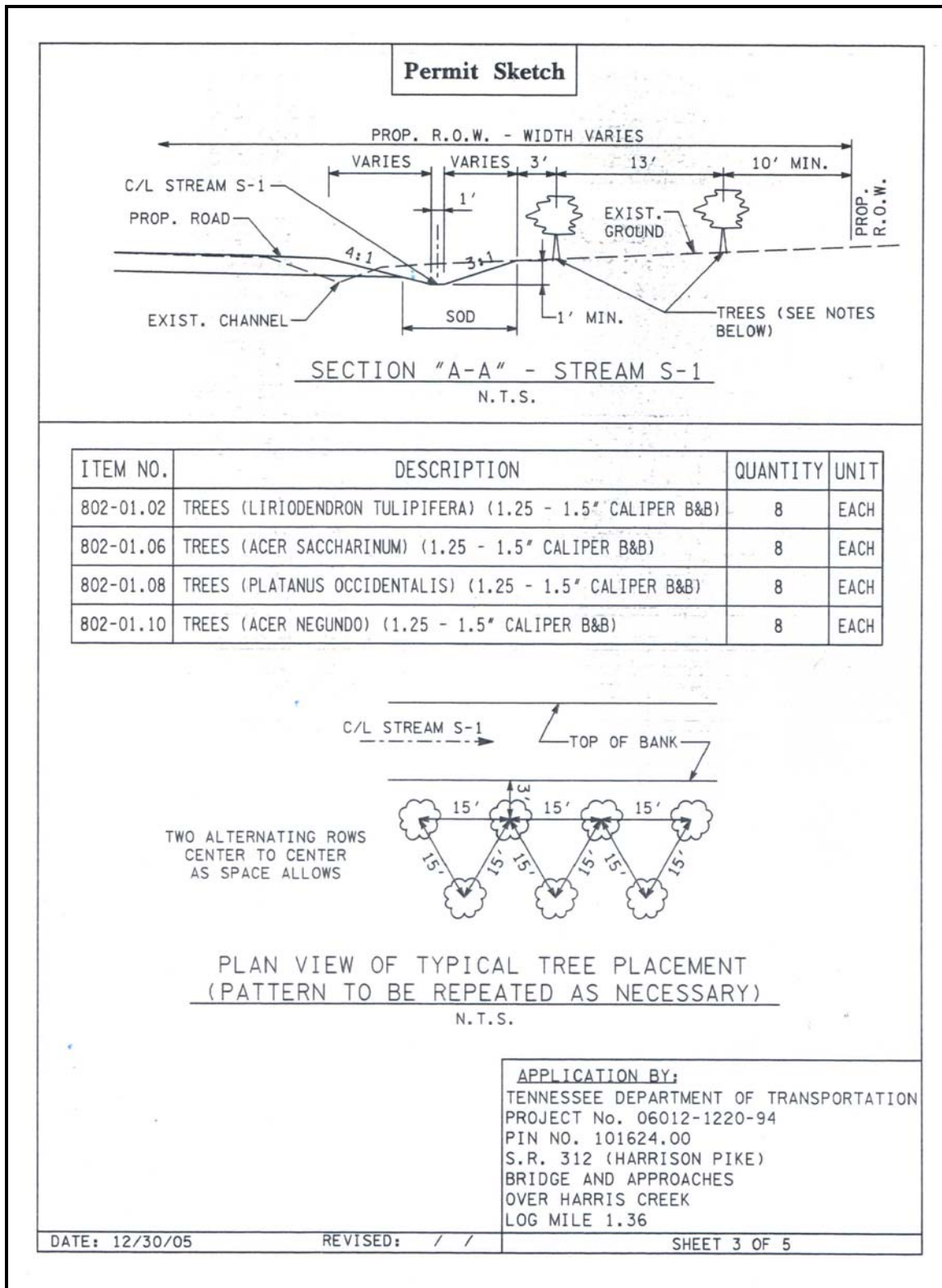


Figure 1: Approximate Location of Proposed Activity







**Figure 3: Detailed Sketch of Tree Planting**





**Figure 4: Unnamed Tributary to Harris Creek to be Relocated**



**Figure 5: Harris Creek**